

EPA Reg. Jacket 42750-269



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 11, 2015

Allis Gregory
Regulatory Chemist
Albaugh, LLC
P.O. Box 2127
Valdosta, GA 31604

Subject: Condition of Registration – Storage Stability and Corrosion Characteristics Data
Product Name: Glyphosate + Diquat
EPA Registration Number: 42750-269
Application Date: February 17, 2015
Decision Number: 502401

Dear Mr. Gregory:

The Agency has reviewed the study submitted to fulfill the conditional data requirement referred to above, in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act. A copy of the review is enclosed. The study has been classified as acceptable. The condition of registration is considered fulfilled.

If you have any questions, please contact Shanta Adeeb by phone at 703-347-0502, or via email at adeeb.shata@epa.gov.

Sincerely,

A handwritten signature in black ink, reading "Kathryn V. Montague". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Kathryn V. Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

~~This Document Contains Confidential Information~~

DATE OUT: July 22, 2015

SUBJECT: STORAGE STABILITY (830.6317) & CORROSION CHARACTERISTICS
(830.6320) REVIEW

ACCELERATED STUDY []; ONE YEAR STUDY [X];

OVER 1 YEAR STUDY []

MP [] EP [X] EUP []

DP BARCODE No.: 426204 REG. No.: 42750-269

DECISION No.: 502401 MRID No(s): 495727-01

PRODUCT NAME: GLYPHOSATE + DIQUAT

COMPANY: ALBAUGH, LLC

FROM: Linda Mascall / Bruce Kitchens
Product Chemistry Team
Chemistry, Inerts and Toxicology Assessment Branch (CITAB)/RD (7505P)

TO: Shanta Adeeb / Mindy Ondish, RM 25
Herbicide Branch / RD (7505P)

I. CONCLUSIONS:

STORAGE STABILITY (830.6317):

[X] ACCEPTABLE

[] UNACCEPTABLE*

[] UPGRADEABLE*

40CFR158.310 DATA REQUIREMENT: [X] SATISFIED [] NOT SATISFIED

CORROSION CHARACTERISTICS (830.6320):

[X] ACCEPTABLE

[] UNACCEPTABLE*

[] UPGRADEABLE*

40CFR158.310 DATA REQUIREMENT: [X] SATISFIED [] NOT SATISFIED

* If unacceptable or upgradeable describe the deficiency and provide recommendations

Comments & Recommendations:

The test substance was found to retain its level of the active ingredients when stored at ambient temperature for one year. No significant weight change in the container or changes in physical appearance of the test substance were observed. No corrosion of the storage container was observed.

II. STUDY SUMMARY

A. STUDY CONDUCTED UNDER US GLP/OECD GUIDELINES

☒ Yes

☐ No

B. PRODUCT INFORMATION

Active ingredient(s): Glyphosate, Isopropylamine salt; Diquat dibromide

Label claim(s) Nominal concentration(s) (%): 18.00; 0.73

Initial concentration(s) of the AI(s) (%) used in the study: 18.18; 0.81

Lower certified limits (%) based on AI % in the study: 17.091; 0.649

C. EXPERIMENTAL PARAMETERS

Temperature: ☐ Freezer; Room ☐; Warehouse ☒; 54°C ☐; Other ☐

Humidity: Indicate % (if provided)

Duration of study: ☒ 1 year; ☐ over 1 year

Type of container: ☐ Glass; ☐ Metal; ☒ HDPE; ☐ Fluorinated HDPE; ☐ Other

Analysis at intervals: ☒ 0 (initial);

☒ 3 months; ☒ 6 months

☒ 9 months; ☒ 12 months

☐ Over 12 months

D. ANALYTICAL METHOD

Method	DETECTOR
Gas chromatography (GC)	<input type="checkbox"/> FID (Flame Ionization Detector) <input type="checkbox"/> ECD (Electron Capture Detector) <input type="checkbox"/> N/P (Nitrogen/Phosphorous Detector) <input type="checkbox"/> Other
Capillary Gas chromatography (CGC)	<input type="checkbox"/> FID (Flame Ionization Detector) <input type="checkbox"/> ECD (Electron Capture Detector) <input type="checkbox"/> N/P (Nitrogen/Phosphorous Detector) <input type="checkbox"/> Other
High Pressure Liquid chromatography (HPLC)	<input checked="" type="checkbox"/> UV/VIS (nm) - 195 -308 (nm) <input type="checkbox"/> RI (Refractive Index) <input type="checkbox"/> Other
GC-MS / LC-MS	Specify
Other	Specify

E. RESULTS

Test Substance Identification	Active	Initial	3-Month	6-Month	9-Month	12-Month
		% (Mean)				
Glyphosate + Diquat Batch #: JRS081213	Isopropylamine Salt of Glyphosate	18.18	18.68	- ¹	18.08	17.59
	Diquat Dibromide	0.81	0.82	- ¹	0.79	0.80



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

February 24, 2015

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

ALBAUGH, LLC
PO.BOX : 2127
VALDOSTA, GA 31604-2127

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 19-FEB-15. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

Receipt for Section 3

S: 964472

Milestone Email:

Regulatory Type: Product Registration - Section 3

Resubmission: ☒ Yes ☐ No

Application Type: Amendment

Fee For Service: ☐ Yes ☒ No

Company: 42750 ALBAUGH, LLC

Billable: ☐ Yes ☒ No

V

Print Letter

Enter More Information

Tracking

Risk Manager: Registration Division, Risk Management Team 25

Product #: 42750-269

Product Name: GLYPHOSATE + DIQUAT

Override#:

Me Too Section3: 71995-29

Me Too Product Name: ROUNDUP WEED & GRASS KILLER CONCENT

Application Date: 17-Feb-2015

OPP Rec'd Date: 19-Feb-2015

Front End Date: 19-Feb-2015

Risk Manager Send Date: 19-Feb-2015

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

storage stability & corrosion characteristics

Form A: ☒

Signature Date:

Form B: ☐

Signature Date:

Receipt Content

Des

Study

View/Edit

New Ingredient

Request Date:

New Ingredient

Received Date:

ALBAUGH, LLC

GEORGIA OFFICE
P.O. Box 2127
Valdosta, GA 31604-2127
229.244.3288 (Phone)
229.244.5841 (FAX)

49572700

Fed-X

February 17, 2015

Document Processing Desk (OTHER)
Ms. Mindy Ondish (PM 25)
Registration Division (7505P)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard (South Bldg)
2777 South Crystal Dr.
Arlington, VA 22202

Re: Glyphosate + Diquat
EPA Reg. No. 42750-269

Dear Ms. Ondish, .

The enclosed submission is the following product chemistry data in support of the above referenced registration:

49572701 Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) (3 copies)
(Report Title: Glyphosate + Diquat Storage Stability and Corrosion Characteristics, Product
Safety Labs Study Number 37279, 46p.)

Please call if you have any questions.

Regards,



Ailis Gregory
Regulatory Chemist

Agri Star®
By Albaugh, LLC

PREMIER SUPPLIER OF OFF-PATENT CROP PROTECTION PRODUCTS
www.albaughllc.com



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 42750-269	2. EPA Product Manager M. Ondish	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Glyphosate + Diquat	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Albaugh, LLC P.O. Box 2127 Valdosta, GA 31604 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Storage Stability (OPPTS 830.6317), Corrosion Characteristics (OPPTS 830.6320) in support of the registration of Glyphosate + Diquat.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 gal, 2.5 gal, bulk		5. Location of Label Directions <input checked="" type="checkbox"/> On label attached to container	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph Paper glued Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Ailis Gregory		Title Regulatory Chemist		Telephone No. (Include Area Code) 229-244-3268	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Chemist			
4. Typed Name Ailis Gregory ailisg@albaughllc.com		5. Date February 17, 2015			

Material Sent for Data Extraction

Reg. # 42756-269

Description: _____

☐ Material(s) Sent to Data Extraction Contractors:

☒ New Stamped Label Dated 6-10-14

☐ Notification Dated _____

☐ New CSF(s) Dated _____

☐ Other: _____

☐ Decision #: _____

☐ Other Action/Comments: _____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: _____

Phone: Division:

Date: _____



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

42750-269

Date of Issuance:

6-16-19

Term of Issuance: Conditional

Name of Pesticide Product:

Glyphosate + Diquat

Name and Address of Registrant (include ZIP Code):

Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604-2127

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA section 3(c)(7)(A) provided that you submit and/or cite all data required for registration review of your product when the Agency requires all registrants of similar products to submit data. Glyphosate data requirements are outlined in GDCI-417300-886 under docket ID EPA-HQ-OPP-2009-0361 at www.regulations.gov.

Submit the storage stability and corrosion characteristics studies within 18 months from the date of this notice. Add the correct EPA Reg. # and EPA Est. # to the label.

A stamped copy of the label is enclosed for your records. Submit one copy of the final printed label for the record before you release the product for shipment.

Signature of Approving Official:

Kable "Bo" Davis
Product Manager 25
Herbicide Branch, Registration Division (7505P)

Date:

6-16-19

If these requirements are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions please contact Erik Kraft at 703-308-9358 or kraft.erik@epa.gov.

[EDITOR's NOTE] – For use with conventional sprayers. Optional market language denoted with italicized text.

GLYPHOSATE + DIQUAT

ACTIVE INGREDIENT:

*Glyphosate, isopropylamine salt	18.00%
Diquat dibromide.	0.73%
OTHER INGREDIENTS:	81.27%
TOTAL:	100.00%

*Contains 1.19 lbs glyphosate acid per US gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE AT 1-800-424-9300.	

EPA Reg. No. 42750-EAO

EPA Est. No. xxxxxx-xx-xxx

NET CONTENTS: _____ fl oz (_____ mL)

Makes up to 'X' gallons

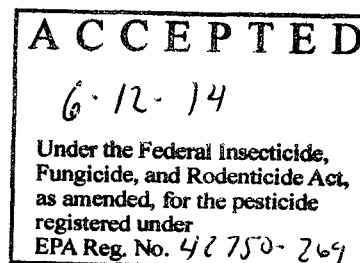
Makes between 'X' – 'Y' gallons ($X = \text{net content}/3$) ($Y = \text{net contents}/6$)

Mix with water to make 'X' gallons of spray solution

Treats (covers) up to 'X' sq. ft area

MANUFACTURED BY:

Albaugh, Inc.
Ankeny, IA 50021



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is toxic to aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do Not Mix Or Allow Contact With An Oxidizing Agent. A Hazardous Chemical Reaction May Occur

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

WHERE TO USE

On patios, walkways, driveways, gravel or mulch beds

Around flowers (flower beds), shrubs or trees

On driveways & walkways

Along fences

In large areas – For lawn replacement, for garden plot preparation*

***IMPORTANT:** While GLYPHOSATE + DIQUAT may be used to prepare a vegetable garden for planting, DO NOT USE for spot weed treatment after planting (any) fruits or vegetables.

AMOUNT TO USE

For best results:

- Add 3-6 fl. oz. (12 TBS) per gallon of water (use the higher rate for larger weeds)
- Apply on warm days in bright sunlight
- For easy to kill weeds such as (small) seedlings, add 3 fl. oz. (6 TBS) (per gallon) (to 1 gallon) of water

MIXING INSTRUCTIONS

Tank (Pump-Up) Sprayer:

Use a plastic, fiberglass, plastic-lined steel or stainless steel sprayer. Do not mix, store or apply in (with) a galvanized or unlined steel sprayer (container).

For tough established weeds and for best results, add (measure) 6 fl oz (12 Tbs) to (per) (1) gallon of water. Spot treat or spray evenly over 300 sq ft

Hose-End Sprayer:

For large areas consider using the Ortho® Dial 'n Spray® with the dial set to 4 - 6 fl. oz.

To sprayer jar add 4 - 6 fl oz (8 - 12 Tbs) for each 300 sq ft. DO NOT add water. Spray evenly over measured area.

After spraying, unused product can be poured back into its original container.

HOW TO CLEAN SPRAYER

To clean sprayer after use, rinse sprayer and all sprayer parts with water 3 times. Spray rinse water on bare soil or gravel. After cleaning, sprayer may be used for other products.

HOW IT WORKS

GLYPHOSATE + DIQUAT is absorbed by the weed's leaves. It moves through the weed to the root, stopping the function of an essential enzyme found in plants (but not humans or animals). Weeds die, roots and all - so weeds don't grow back. Kills only what you spray. Any product not absorbed by the plant will be deactivated after it hits the soil. (Weeds usually yellow and wilt within hours with complete kill in 1 to 2 weeks.)

[ALTERNATE TEXT] GLYPHOSATE + DIQUAT enters plants through foliage and moves systemically to the roots, killing weeds by stopping the function of a substance found in plants (but not humans or animals). Any GLYPHOSATE + DIQUAT not absorbed by plants will be deactivated after it hits the soil. Weeds usually yellow and wilt within hours with complete kill in 1 to 2 weeks.

HOW TO SPRAY

- Spray the weeds or grasses you want to kill until thoroughly wet.
- When spot treating weeds around desirable plants, shield plants from drift with a sheet (piece) of cardboard or plastic.
- If desirable plants are accidentally sprayed, rinse off immediately with water (or cut off treated area).

IMPORTANT: Do not spray plants or grasses you like - they will die. Not recommended for spot weed control in lawns since GLYPHOSATE + DIQUAT kills lawn grasses.

WHEN TO APPLY

Apply when weeds are actively growing. (Use anytime weeds and grasses are actively growing.)

For best (fastest visual) results, apply during warm, sunny weather (above 60° F) (to accelerate systemic movement from foliage to roots.)

Apply when air is calm to prevent drift to desirable plants.

RAINPROOF Protection: Rain or watering 30 minutes after application will NOT wash away effectiveness.

[OPTIONAL TEXT] Apply when weeds are small and before seeds form. Established (Hard to kill) weeds may require a repeat application.

APPLICATION RESTRICTIONS:

- Do not apply this product in a way that will contact any person or pet, either directly or through drift. Only the person applying this product may be in the area during application.
- Do not (mix, store or) apply with (in) a galvanized or unlined steel (except stainless steel) sprayer, or apply through any irrigation system.
- DO NOT USE for spot weed treatment after planting (any) fruits or vegetables.
- People and pets must not enter treated areas until spray has dried.

WHEN TO REPLANT

All ornamental flowers, trees and shrubs may be planted 1 day after application.

Lawn grasses, herbs, vegetables (all), and fruits may be planted 3 days after application.

ADDITIONAL USES

To Kill Vines

- If vines are growing up poles, fences, or tree trunks with mature bark, cut vines to a height of 3 to 4 feet and spray vines thoroughly.
- If vines are climbing shrubs or tree trunks with green bark, cut vines at base and treat as directed for stumps or spray regrowth. If spraying regrowth, shield shrubs and tree trunks from spray drift with a sheet (piece) of cardboard or plastic.

To Kill Stumps

- Cut living stump close to ground.
- Drive (drill) 4 to 5 holes into freshly cut stump.
- Immediately pour undiluted product into holes.

IMPORTANT: Some trees may share the same root system. Adjacent trees having a similar age, height and spacing may signal a shared roots system. Injury may occur to non-treated trees when one or more trees sharing common roots are treated.

To Kill Kudzu

- For best results, apply in mid to late summer when vines are mature and actively growing.

To Kill Wild Blackberry

- Spray anytime plants are actively growing.
- Dead canes should be cut down and removed.
- Reapplication is often required to kill deep roots.

To Kill Poison Ivy & Poison Oak

- Contact with these plants anytime of the year can cause an allergic reaction.
- Spray anytime plants are actively growing, but at least 4 weeks before the first killing frost in the fall. Reapply, if new growth appears.
- Handle dead plants with rubber gloves.
- Dispose of plants and rubber gloves in tightly sealed garbage bags.

For Lawn Replacement

Use GLYPHOSATE + DIQUAT to kill a (an old) (an unwanted) lawn and (its) weeds before planting a new lawn (OR prior to laying a patio, sidewalk, or driveway).

[ALTERNATE TEXT]

For lawn replacement use [insert brand name] to kill lawn and weeds before planting new lawn.

- Skip one mowing before spraying.
- Use 6 fl oz (12 Tbs) per gallon of water for each 300 sq. ft. Apply evenly over treatment area.
- If soil is dry, water before application and 2 to 3 days after application.
- If green patches remain after 7 days, reapply.
- Wait (at least) 3 days after last application to rake, till or replant with seed or sod.
- *[Alternate text] Wait (at least) 3 days for weeds and lawn to die. Repeat if necessary. Rake or till to prepare area for planting seed or sod.*

For (Flowerbed and) Garden (Plot) Preparation

- Use GLYPHOSATE + DIQUAT to kill weeds, grasses and (brush) before planting flowers, fruits, vegetables, trees or shrubs.
- If soil is dry, water before application and 2 to 3 days after application.
- Use 6 fl oz (12 Tbs) per gallon of water for each 300 sq. ft. Apply evenly over treatment area.
- Wait 1 to 3 days after last application before planting garden. (See When to Replant section for details)

[Optional Weed List] KILLS ALL TYPES OF WEEDS & GRASSES

Weeds (including): Artichoke thistle, beggarweed, black medic, blue mustard, blue toadflax, brassbuttons, broadleaf plantain, burclover, buttercup, Canada thistle, cattail, chickweed, cocklebur, common groundsel, common mullein, common plantain, common ragweed, creeping beggarweed, creeping-charlie, curly dock, dandelion, dog fennel, evening primrose, false dandelion, fiddleneck, field bindweed (wild morningglory), field pennycress, filaree, Florida pusley, garden spurge, henbit, horsenettle, horseradish, horseweed/marestail, iceplant, knotweed, lambsquarters, lantana, little bittercress, London rocket, mallow, mayweed, milkweed, mouseear chickweed, narrowleaf (buckhorn) plantain, nightshade (silverleaf),

oldenlandia, oxalis, Pennsylvania smartweed, pennywort, poison hemlock, prickly lettuce, primrose, prostrate spurge, puncturevine, ragweed, red clover, redroot pigweed, shepherdspurge, smooth catsear, smooth pigweed, sowthistle, spotted spurge, tansy ragwort, tansymustard, teaweed, trumpetcreeper, tumble mustard, Virginia creeper, white clover, whitetop, wild barley, wild mustard, wild oats, wild sweet potato, yellow starthistle, and other broadleaf weeds.

Grasses (including): Annual bluegrass, annual ryegrass, bahiagrass, barnyardgrass, bentgrass, Bermudagrass, bromegrass, Cogongrass, crabgrass, creeping bentgrass, dallisgrass, fall panicum, fescue, field sandbur, foxtail, goosegrass, guineagrass, Johnsongrass, Kentucky bluegrass, kikuyugrass, lovegrass, maidencane, nimblewill, nutsedge, orchardgrass, pampas grass, perennial ryegrass, purple nutsedge, quackgrass, sandspur, smooth bromegrass, sprangletop, St. Augustinegrass, tall fescue, Texas panicum, Timothy, torpedograss, vaseygrass, witchgrass, yellow nutgrass, zoysia and other grassy weeds.

Brush (Tough Weeds), Unwanted Trees, Shrubs & Vines (including): Alder, ash, (quacking) aspen, blackberry, bluegum eucalyptus, broom (French, Scotch), buckwheat, ceanothus, chamise, cherry, coyote brush, dewberry, elderberry, elm, eucalyptus, giant reed, hawthorn, hazel, honeysuckle, kudzu, locust, madrone, maple, oak, persimmon, poison oak, poison ivy, poplar, raspberry, sage, sagebrush, salmonberry, saltcedar, sassafras, sumac, sweetgum, tan oak, thimbleberry, tree tobacco, wild rose (multiflora) willow and other tough weeds.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container only in a safe place away from direct sunlight.

PESTICIDE DISPOSAL: Waste resulting from use of this product may be disposed of on site or at an approved waste facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

NOTICE - To the extent consistent with applicable law, Buyer assumes all responsibility for safety and use not in accordance with directions.

APPENDIX 1 - [Ordered alphabetically] OPTIONAL MARKETING STATEMENTS

- Absorbed into both broadleaf and grassy weeds
- Absorbs on contact, starts working immediately
- Also use for large jobs such as lawn renovation and vegetable and flower garden preparation
- Apply with tank sprayer, or a (hand held) trigger sprayer
- Approved for most (many) lawn and garden uses
- Before [weed graphics] / After [weed graphics]
- Begins absorbing on contact
- Can be used for habitat restoration, controlling exotic vegetation, and for site preparation of wildlife food plots
- Can reseed or sod lawns 7 days after treatment
- Can be used on patios, walkways, and driveways; along fences; in landscaping beds; or around flowers, shrubs and trees
- Concentrated for extra value
- Concentrated formula
- Deactivates in soil
- Does not have soil activity
- Economical
- Economical concentrate formula
- Easy to apply with an Ortho Dial 'n Spray®, hose-end, tank or (hand held) trigger sprayer
- Eliminates roots and weeds
- Fast Acting
- Fast-acting formula
- Fast-acting formula absorbs to root more quickly
- Fast-acting for visible results in 12 hours
- For control that doesn't (won't) wash away
- For weed control - kills weeds and grasses in 1 to 2 weeks - roots and all
- For Outdoor Use around the Home
- For use (with) (in) (sprayer delivery name)
- For Use on Borders, Around Patios, Driveways, and Sidewalks
- Glyphosate targets an enzyme found in plants but not in people or pets Ideal for killing unwanted weeds and grasses throughout your yard.
- Kills over 200 types of weeds and grasses, roots and all
- Kills almost all (annual and perennial) weeds, grasses and other unwanted plants
- Kills existing weeds only, no residual activity in soil
- Kills more weeds in more places.
- Kills (to) the root(s)!
- Kills (the toughest weeds and grasses) the root so weeds (they) don't come back
- Kills the roots of (both) broadleaf and grassy weeds o Kills the roots so treated weeds don't come back
- Kills the weed you see and the root you don't
- Kills the weed you see and the root others leave behind
- Kills unwanted weeds and grasses, roots and all
- Kills weeds and grasses in - Patios - Driveways - Sidewalks - Ornamental Gardens and other non-lawn areas
- Kills weeds in flowerbeds, around trees, shrubs and fences, and on patios, paths, sidewalks, sidewalk cracks, walkways, driveways, and other areas in your yard
- Kills weeds, roots and all
- Kills (all types of) weeds and grasses and brush
- Kills tough weeds
- Kills Weeds & (and) Grasses (down to the root)
- Kills the root
- Kills over (XXX) types of weeds
- Lawns and gardens can be reseeded or planted soon after treatment

- *Make only what you need*
- *Mix into tank sprayer*
- *Multipurpose grass and broadleaf weed control*
- *Next day (this weekend) results: Begins killing on contact, visible results in 12 hours.*
- *No odor*
- *No root. No weed. No problem*
- *Non-Selective: Kills weeds & grasses*
- *Once it enters the plant, it won't wash off*
- *One application kills over 200 types of weeds and grasses, roots and all (maximum effectiveness)*
- *Ornamental gardens can be reseeded or planted 1 day after treatment*
- *Proven (trusted) performance*
- *Provides maximum control: Kills weeds to the root so they don't ever come back*
- *Quick-action formula lets you see results fast*
- *RainFast in hours - enters the plant on contact*
- *Replant (lawn grasses, herbs, vegetables (all), and fruits) 3 days after application*
- *Same effective results even if it rains within hours*
- *Single application controls (kills) most weeds*
- *Spray weeds until thoroughly wet*
- *Starts to work immediately*
- *This GLYPHOSATE + DIQUAT formula targets an enzyme found in plants, but not in people or pets*
- *(Use) For Brush Control*
- *(Use) For Weed Control: Use along fences, paths, patios, sidewalks and driveways, around trees, shrubs, ornamental plantings, flowerbeds, and buildings, and in brick and gravel walkways.*
- *Use for large jobs like garden plot preparation and lawn replacement (renovation)*
- *(Use) For Lawn Renovation*
- *Use to trim and edge landscape areas.*
- *(Use) For Spot Spraying: Use in and around flowerbeds, ornamental trees, shrubs, fences, driveways and walkways*
- *(Use) For Stumps*
- *Use to prepare sites: for large plantings, for planting flowerbeds, fruit trees, ornamentals, vegetables and gardens, and for renovating lawns*
- *Use as a spot treatment along sidewalks, fences, driveways, and patios*
- *Use along fences; in cracks of walks, drives and patios; and around flower beds, trees and shrubs*
- *Visible effects are gradual wilting and yellowing advancing to complete browning and root destruction.*
- *(Provides) Visible (see) results in [24 hours] (days)*
- *Visible Results in Hours*
- *Water based formula*
- *Weed Eliminator*
- *Weed Killer*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

DP BARCODE No.: D419866
PC CODE: 103601,032201
FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
ACTION CODE: R 300
PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

DATE OUT: June 9, 2014

SUBJECT: End Use Product Chemistry Review
Product Name: Glyphosate + Diquat

FROM: Bruce F. Kitchens, Chemist
Product Chemistry Team
Technical Review Branch/RD (7505P)

Bruce F. Kitchens
09 June 2014
SBW 6/9/14

TO: RM 25, Kable Davis/ Erik Kraft
Herbicide Branch/RD (7505P)

INTRODUCTION:

The registrant, Albaugh Incorporated, is responding to a previous product chemistry review for the proposed end-use product, Glyphosate + Diquat. In that review, it was determined that the data requirement for the enforcement analytical method (830.1800) was not satisfied. The active ingredients in this product are Glyphosate Isopropylamine and Diquat dibromide at label nominal concentrations of 18.0 and 0.73% a.i., respectively. This product is intended for use as an herbicide. With this report, the registrant is submitting product chemistry data contained in MRID# 493481-01. The Technical Review Branch (TRB) has been asked to review this submission.

SUMMARY OF FINDINGS:

1. Name of Active Ingredients: Glyphosate Isopropylamine (18.0% ai)
Diquat dibromide (0.73% ai)

Formulation Type: Water Soluble Concentrate

2. Gravell, W (2014) Glyphosate + Diquat: Enforcement Analytical Method for the Determination of the Isopropylamine Salt of Glyphosate and Diquat Dibromide by High Pressure Liquid Chromatography. Project Number: 37279/EAM, 37279. Unpublished study prepared by Product Safety Laboratories.
3. The registrant states in their Good Laboratory Practice Compliance Statement that this report is not subject to the requirements of 40 CFR Part 160 because it is not a study as defined by 40 CFR 160.3. However, the laboratory which conducted the method validation states that the study was conducted in compliance with 40 CFR Part 160.

DP BARCODE No.: D419866
PC CODE: 103601,032201
FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
ACTION CODE: R 300
PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

4. A brief synopsis of the study follows:

The determination of the active ingredients, isopropylamine salt of glyphosate and diquat dibromide monohydrate was accomplished by HPLC (high pressure liquid chromatography) with ultraviolet (UV) detection. Individual chromatographic conditions are below for each active ingredient. Replicate test samples were prepared by weighing 0.37 g of the test substance into separate 50 ml volumetric flasks and diluting to volume with diluent. Samples were mixed thoroughly to insure complete extraction. After extraction for the glyphosate IPA, a portion of the extract was transferred to an autosampler vial analysis. After extraction for the diquat dibromide, 3 ml of the solution were transferred to a 10 ml volumetric flask and diluted to volume with diluent. Sample was then transferred to an autosampler vial. All samples were analyzed in duplicate. The method was validated for linearity, precision and accuracy.

Results of the method validation indicate that acceptable linearity, precision, and accuracy were achieved.

Chromatographic Conditions:

A. Isopropylamine Salt of Glyphosate

HPLC System (UV)	Thermo Finnigan Surveyor PDA plus detector
Column	SupelCosil LC-SAX1, 4.6 x 250 mm
Mobile phase	92% 6 mM phosphate, 8% methanol, pH 2.1
Column Temp. (°C)	30
Injection Volume (µl)	25
Flow rate (mL/min)	2.0
Wavelength (nm)	195
Run Time (min)	10
Retention Time Observed (min)	~ 2.6

DP BARCODE No.: D419866
PC CODE: 103601,032201
FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
ACTION CODE: R 300
PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

B. Diquat Dibromide

HPLC System (UV)	Agilent 1100 Series HPLC Systems DAD detector
Column	Agilent ZORBAX S-Aq 4.6 x 250 mm, 5 µm
Mobile phase	DI Water:ACN:H ₃ PO ₄ 950:50:0.4
Column Temp. (°C)	30
Injection Volume (µl)	5
Flow rate (mL/min)	0.5
Wavelength (nm)	308
Run Time (min)	8
Retention Time Observed (min)	~ 4.3

CONCLUSIONS:

The TRB has reviewed the product chemistry data submitted for the proposed end-use product and has concluded that:

1. The study, Gravell, W (2014) Glyphosate + Diquat: Enforcement Analytical Method for the Determination of the Isopropylamine Salt of Glyphosate and Diquat Dibromide by High Pressure Liquid Chromatography. Project Number: 37279/EAM, 37279 is acceptable and satisfies the data requirement for the enforcement analytical method (830.1800).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

DP BARCODE No.: D417100
PC CODE: 103601,032201
FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
ACTION CODE: R 300
PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

DATE OUT: March 19, 2014

SUBJECT: End Use Product Chemistry Review
Product Name: Glyphosate + Diquat

FROM: Bruce F. Kitchens, Chemist
Product Chemistry Team
Technical Review Branch/RD (7505P)

Bruce F. Kitchens
19 Mar 2014
SK

TO: RM 25, Kable Davis/ Erik Kraft
Herbicide Branch/RD (7505P)

INTRODUCTION:

The registrant, Albaugh Incorporated, is submitting an application to register the proposed end-use product, Glyphosate + Diquat. The active ingredients in this product are Glyphosate Isopropylamine and Diquat dibromide at label nominal concentrations of 18.0 and 0.73% a.i., respectively. This product is intended for use as an herbicide. In addition, the registrant states that the proposed product is substantially similar to EPA Reg. No. 71995-29 Roundup Weed & Grass Killer Concentrate Plus. In support of this request, the registrant is submitting a proposed basic Confidential Statement of Formula (CSF) dated 09 Dec 2013; a draft label and product chemistry data contained in MRID#s 492731-01, -02, and 03. The Technical Review Branch (TRB) has been asked to review this submission.

SUMMARY OF FINDINGS:

1. Name of Active Ingredients: Glyphosate Isopropylamine (18.0% ai)
Diquat dibromide (0.73% ai)

Formulation Type: Water Soluble Concentrate

2. Has the registrant claimed substantial similarity to a registered product?

[X] Yes; [] No; [] NA; if yes give the registration number of the cited product.

EPA Reg. No. 71995-29

3. All of the source materials of the active ingredient are derived from registered sources- [X] Yes [] No

4. All inert ingredients have been screened by IIAB and are approved for the proposed labeled uses.

DP BARCODE No.: D417100
PC CODE: 103601,032201
FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
ACTION CODE: R 300
PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

5. Confidential Statement of Formula:

☒ Basic - Dated: 09 Dec 2013 Resubmitted Dated:
☐ Alternate - Dated: Resubmitted Dated:

6. Product label

- a. Ingredient statement: Nominal concentration of AI listed on CSF concurs with product label (PR Notice 91-2).
☐ Yes, if not, explain below:

Is the sub statement in compliance with PR Notice 97-6 (inert ingredient vs other ingredient)
☐ Yes; ☐ No; if not, explain below

Metallic equivalent: ☐ Yes ☐ NA
Soluble arsenic: ☐ Yes ☐ NA
Isomeric ratios: ☐ Yes ☐ NA
Acid Equivalent: ☐ Yes ☐ NA

- b. Health related sub statements: Product contains?

Petroleum distillate at > 10%: ☐ Yes; ☐ No; ☐ NA
Methanol at > 4%: ☐ Yes; ☐ No; ☐ NA
Sodium nitrate/sodium nitrite ☐ Yes; ☐ No; ☐ NA

- c. Physical chemical hazard statement: Product label requires a statement per 40 CFR §156.78 for: flammability, explosive potential or electric insulator breakdown?
☐ Yes ☒ No

Is the sub statement in compliance with PR Notice 98-6 (Total Release Fogger)?
☐ Yes; ☐ No; ☒ NA; if not, explain below

- d. Label requires an additional Storage and Disposal statement: ☐ Yes ☒ No; if yes explain below:

DP BARCODE No.: D417100
 PC CODE: 103601,032201
 FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
 ACTION CODE: R 300
 PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

7. Group A: Product Chemistry Data

TRB's determination of the acceptability for the proposed product is listed in the tables below.

Guideline No.	Study Title		Data submitted		TRB's Assessment of Data	MRID Nos.
			Yes	No		
830.1550	Product Identity & Composition		X		A	492731-02
830.1600	Description of materials used to produce the product		X		A	492731-02
830.1650	Description of formulation process		X		A	
830.1670	Discussion on the formation of impurities		X		A	492731-02
830.1700	Preliminary analysis			X	NA	
830.1750	Certified limits (158.350)	Standard certified limits	X			492731-02
		Proposed Limits				
		Justification for wider limits				
830.1800	Enforcement analytical method			X	G	492731-02 ¹

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver Request, I = In Progress, NA = Not Applicable; U = Upgradeable.

1. The registrant states that the validated enforcement analytical method will be submitted with the storage stability and corrosion characteristics study which is currently being conducted by PSL. This study data will be submitted in one year with the completion of the storage stability and corrosion characteristics study.

DP BARCODE No.: D417100
PC CODE: 103601,032201
FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
ACTION CODE: R 300
PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

8. Group B:

Guideline No.	Study Title	Value or Qualitative Description	TRB's Assessment of Data	MRID Nos.
830.6303	Physical State	Light yellow clear liquid with a slight faint odor	A	492731-03
830.6314	Oxidation/Reduction	Product was stable when mixed with water, 10% solution of monoammonium phosphate, Fe powder, and kerosene. Product no stable when mixed with potassium permanganate heat produced in 2 min. and a 27°C temperature increase was noted.	A	492731-03
830.6315	Flammability	Product does not contain flammable components	NA	
830.6316	Explodability	Product does not contain explosive components	NA	
830.7000	pH	4.45 (1% w/w solution)	A	492731-03
830.7100	Viscosity	2.2 centistokes @ 20°C 1.3 centistokes @ 40°C	A	492731-03
830.7300	Density (units)	1.072 g/ml @ 20°C	A	492731-03

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver request, NA = Not applicable, I = In progress; U = Upgradeable.

9. Data contained in MRID# 492731-01 provides a summary of the results for the product chemistry data requirements

DP BARCODE No.: D417100
PC CODE: 103601,032201
FOOD USE: NO

FILE SYMBOL NO.: 42750-EAO
ACTION CODE: R 300
PRODUCT NAME: Glyphosate + Diquat

DECISION No.: 485794

CONCLUSIONS:

The TRB has reviewed the product chemistry data submitted for the proposed end-use product and has concluded that:

1. The basic formula CSF for the proposed end-use product, Glyphosate + Diquat dated 09 Dec 2013 is acceptable.
2. This submission satisfies the data requirements as specified in 40 CFR 158.320, 158.325, 158.335, 158.340, 158.350, and 158.355 with respect to product identity and composition, description of materials used to produce the product, description of formulation process, discussion of formation of impurities, and certified limits.

The data requirement for the enforcement analytical method is a data gap. The registrant states that the study for the enforcement analytical method will be submitted with the completed one year for storage stability and corrosion characteristics study.

3. This submission satisfies the data requirements as specified in 40 CFR 158.310 with respect to physical and chemical properties except for storage stability and corrosion characteristics. The registrant states that one year storage stability and corrosion characteristics studies are in progress and will be submitted to the Agency upon completion.

This product was determined to be incompatible when mixed with potassium permanganate (oxidizing agent). The following statement must be added to the label in the physical and chemical hazards section:

"Do not mix or allow contact with an oxidizing agent. A hazardous chemical reaction may occur."

4. The proposed product has been determined to be substantially similar in composition to EPA Reg. No. 7199529 Roundup Weed & Grass Killer Concentrate Plus from a product chemistry standpoint.

ALBAUGH, INC.

GEORGIA OFFICE
P.O. Box 2127
Valdosta, GA 31604-2127
229.244.3288 (Phone)
229.244.5841 (FAX)

E-mail

March 24, 2014

Mr. Erik Kraft (Team 25)
Registration Division (7504P)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard (South Bldg)
2777 South Crystal Dr.
Arlington, VA 22202

Re: Glyphosate + Diquat
EPA File Symbol 42750-EAO
OPP Decisions Number D-485794

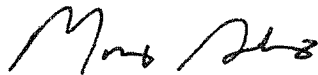
Dear Mr. Kraft,

In response to the Agency's deficiency letter of 3/20/14 for the above referenced application this letter is Albaugh's formal request for a 4-month PRIA extension.

Albaugh will submit the required Enforcement Analytical Method (830.1800) today.

Please call if you have any questions.

Regards,



Morris Gaskins
Registrations Manager

Agri Star®
By Albaugh, Inc.

PREMIER SUPPLIER OF OFF-PATENT CROP PROTECTION PRODUCTS
www.albaughinc.com

Kraft, Erik

From: Morris Gaskins [MorrisG@albaughinc.com]
Sent: Thursday, March 20, 2014 3:26 PM
To: Kraft, Erik
Subject: RE: 42750-EAO 75 day letter

OK, understand.

We will submit the study and revised next Monday. I will email the PRIA request letter to you that day also

Regards,

Morris

From: Kraft, Erik [mailto:Kraft.Erik@epa.gov]
Sent: Thursday, March 20, 2014 3:22 PM
To: Morris Gaskins
Cc: Davis, Kable
Subject: RE: 42750-EAO 75 day letter

Morris,

Unfortunately, Not with a pria date of May 6. TRB chem is running behind on things as it is. Our only choice is to renegotiate out 4 months from the date that you get the study into us. If this is what you plan to do, I need an email from you telling us the date that study will be submitted and that you agree to a 4 month extension from that date.

Thanks
Erik

From: Morris Gaskins [mailto:MorrisG@albaughinc.com]
Sent: Thursday, March 20, 2014 3:16 PM
To: Kraft, Erik
Cc: Davis, Kable; Ailis Gregory
Subject: RE: 42750-EAO 75 day letter

Erik,

I have just been advised by Ailis Gregory, Albaugh's Regulatory Chemist, that we have a enforcement analytical method in hand and ready to submit now. We had planned to submit with the 12-month SS study but it can go in now.

Can we submit that study now along with the revised label and avoid a PRIA delay?

Thanks

Morris

From: Kraft, Erik [mailto:Kraft.Erik@epa.gov]
Sent: Thursday, March 20, 2014 1:26 PM
To: Morris Gaskins
Cc: Davis, Kable
Subject: 42750-EAO 75 day letter

Morris,

Please read the attached 75 day letter and advise us by April 6, 2014 how you wish to proceed.

Thanks
Erik Kraft
703-308-9358



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Morris Gaskins
Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604-2127

3-20-14

Dear Mr. Gaskins:

Subject: EPA Reg. 42750-EAO (269) / Glyphosate + Diquat Deficiencies

The Agency has received and initially reviewed the subject application and has determined that it is incomplete or that further information is needed. This letter is a written notification of those deficiencies and identifies your options under 40 CFR 152.105 and Section 33 of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended by the Pesticide Registration Improvement Act (PRIA). Your options under 40 CFR 152.105 and section 33 of FIFRA are addressed separately because each involves a different timeframe and set of options for responding to this letter. Please ensure that you consider each of the sections below in determining how and when you respond to this letter.

40 CFR 152.105:

Pursuant to 40 CFR 152.105, you are allowed 75 days from the date of this letter (you must respond by April 6, 2014 due to the PRIA deadline) to provide a response concerning the deficiencies listed in this letter. Your response may include making corrections or additions to complete the application, or notifying the Agency of the date on which you expect to complete the application, or withdrawing your application. If you do not respond to this letter within 75 days or if you respond with a date on which you expect to complete the application but fail to meet that scheduled date, the Agency will treat the application as if you had withdrawn it. Withdrawal concludes the Agency's review of your application. Any subsequent submission of the same application must then be submitted as a new application with a new deadline for responding and subject to a new registration service fee.

The deficiencies identified in the Agency's review at this time are as follows:

1. You need to submit the enforcement analytical method and a revised label. See the attached chem review and email.

FIFRA Section 33/PRIA:

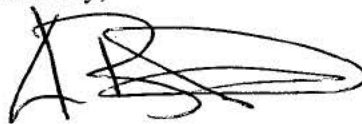
This application is also subject to a deadline for making a determination on the application under FIFRA Section 33, Pesticide Registration Service Fees, established under PRIA. The time frame for the Agency to make a determination on this application ends on May 6, 2014. You have the following three options:

1. **Establish a new due date.** You may work with us to establish a new section 33/PRIA deadline that allows for an appropriate response to the 75 day letter. If you choose this option, you need to contact the Agency not later than April 6, 2014 to discuss a time frame that allows you to address the deficiencies listed above and the Agency to make a regulatory decision.

2. **Withdraw the application.** Alternatively, you may notify us not later than April 6, 2014 that you are withdrawing your application. As noted above, withdrawal concludes the Agency's review of your application; however, you may resubmit your application after the deficiencies have been addressed. Should you choose to resubmit your application, it would be subject to a new deadline for responding to the application and a new registration service fee. Since a fee was paid with this application, the Agency will provide any applicable refund as soon as practicable.
3. **Not respond.** If the Agency does not hear from you by April 6, 2014 the Agency in meeting its obligations under section 33/PRIA may issue a determination to not grant your application. While a determination to not grant an application would allow EPA to have met its obligation under section 33 of FIFRA to issue a determination by a specified date, this determination is neither a denial of the application pursuant to section 3(c)(6) of FIFRA or a withdrawal of the application. Thus, the Agency will continue to diligently work on any such application as long as EPA receives a response to the/a deficiency within the 75 days described above.

Please respond to this letter by April 6, 2014 by contacting Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov with a response and for any questions concerning this letter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bo Davis', with a large, stylized flourish extending to the right.

Kable "Bo" Davis
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Kraft, Erik

From: Kraft, Erik
Sent: Thursday, March 20, 2014 1:01 PM
To: 'MorrisG@albaughinc.com'
Cc: Davis, Kable
Subject: 42750-EAO

Morris,

I just received the chem review and the enforcement analytical method is a data gap. I discussed with Bo, the PM, and you need to submit the study and it must be reviewed by TRB-Chem before the product can be registered.

You have 2 options: submit the study and agree to extend the PRIA date to 4 months beyond when you can submit the study (to allow for TRB to review the study and for RD to register the product); or withdraw the product.

The label needs the following label changes:

1. Per the chem review, add "Do not mix or allow contact with an oxidizing agent. A hazardous chemical reaction may occur." This should be placed so that it can be seen easily by the user.
2. Delete "General" from page 8.

A 75-day letter will follow shortly.

Let me know how you plan to proceed, whether you want to withdraw or extend the date, and when you plan on submitting the study if you want to extend the date.

Thanks
Erik Kraft

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

CONTAINS CBI—DO NOT RELEASE TO REGISTRANT

SIMILARITY CLINIC MEMORANDUM:

Subject: EPA Reg. No.: 42750-EAO/Glyphosate + Diquat
Decision No.: 416989
PC Code: 103601 (Glyphosate); 032201 (Diquat)

From: Marianne Lewis, Biologist
Insecticides/Rodenticides Branch
Registration Division (7505P)

To: Kable Davis, PM 25
Herbicide Branch
Registration Division (7505P)

Applicant: Albaugh, Inc.
1525 NE 36th Street
Ankeny, IA 50021

Marianne Lewis
scr *12/30/13*

FORMULATION FROM EPA Reg. No. 42750-EAO LABEL:

	<u>% by wt.</u>
<u>Active Ingredient(s):</u>	
Glyphosate:	18.00%
Diquat Dibromide:	0.73%
<u>Inert Ingredient(s):</u>	<u>81.27%</u>
Total	100.00%

BACKGROUND: The registrant is doing a “cite all” for the acute toxicity requirements to support their product, EPA Reg. No. 42750-EAO. They are also claiming that their new product is substantially similar to EPA Reg. No. 71995-29. The MRID’s for EPA Reg. No. 71995-29 are as follows: 454106-02 (81-1), 454106-03 (81-2), 454612-01 (81-3), 454106-05 (81-4), 454106-06 (81-5), 454106-07 (81-6). These studies were reviewed by PRS/RD on 9/28/01 & 2/6/02.

After reviewing the studies and the CSF’s for the subject product and the product tested in the cited studies, the Agency will allow the registrant to cite the studies listed above to support the subject product.

RECOMMENDATIONS:

- The acute toxicity studies cited are acceptable to support EPA Reg. No. 42750-EAO.

The acute toxicity profile for EPA Reg. No. 42750-EAO is currently:

Acute Oral	IV
Acute Dermal	IV
Acute Inhalation	IV
Primary Eye	III
Primary Dermal	IV
Skin sensitization	non sensitizer

NOTE: The acute toxicity requirements have been satisfied for the subject product.

LABELING:

ID #: 042750-EAO GLYPHOSATE + DIQUAT

SIGNAL WORD: **CAUTION**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective long sleeved shirt, long pants, shoes, and socks.

FIRST AID:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

USER SAFETY RECOMMENDATIONS:

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

[EDITOR's NOTE] – For use with conventional sprayers. Optional market language denoted with italicized text.

GLYPHOSATE + DIQUAT

ACTIVE INGREDIENT:

*Glyphosate, isopropylamine salt	18.00%
Diquat dibromide.	0.73%
OTHER INGREDIENTS:	81.27%
TOTAL:	100.00%

*Contains 1.19 lbs glyphosate acid per US gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE AT 1-800-424-9300.	

EPA Reg. No. 42750-xxx

EPA Est. No. xxxxxx-xx-xxx

NET CONTENTS: _____ fl oz (_____ mL)

Makes up to 'X' gallons

Makes between 'X - Y' gallons ($X = \text{net content}/3$) ($Y = \text{net contents}/6$)

Mix with water to make 'X' gallons of spray solution

Treats (covers) up to 'X' sq. ft area

MANUFACTURED BY:

Albaugh, Inc.

Ankeny, IA 50021

Don't mix with other

✓ check now

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is toxic to aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

WHERE TO USE

On patios, walkways, driveways, gravel or mulch beds

Around flowers (flower beds), shrubs or trees

On driveways & walkways

Along fences

In large areas – For lawn replacement, for garden plot preparation*

Other areas of (in) your yard

***IMPORTANT:** While GLYPHOSATE + DIQUAT may be used to prepare a vegetable garden for planting, DO NOT USE for spot weed treatment after planting (any) fruits or vegetables.

AMOUNT TO USE

For best results:

- Add 3-6 fl. oz. (12 TBS) per gallon of water (use the higher rate for larger weeds)
- Apply on warm days in bright sunlight
- For easy to kill weeds such as (small) seedlings, add 3 fl. oz. (6 TBS) (per gallon) (to 1 gallon) of water

MIXING INSTRUCTIONS

Tank (Pump-Up) Sprayer:

Use a plastic, fiberglass, plastic-lined steel or stainless steel sprayer. Do not mix, store or apply in (with) a galvanized or unlined steel sprayer (container).

For tough established weeds and for best results, add (measure) 6 fl oz (12 Tbs) to (per) (1) gallon of water. Spot treat or spray evenly over 300 sq ft

Hose-End Sprayer:

For large areas consider using the Ortho® Dial 'n Spray® with the dial set to 4 - 6 fl. oz.

To sprayer jar add 4 - 6 fl oz (8 - 12 Tbs) for each 300 sq ft. DO NOT add water. Spray evenly over measured area.

After spraying, unused product can be poured back into its original container.

HOW TO CLEAN SPRAYER

To clean sprayer after use, rinse sprayer and all sprayer parts with water 3 times. Spray rinse water on bare soil or gravel. After cleaning, sprayer may be used for other products.

HOW IT WORKS

GLYPHOSATE + DIQUAT is absorbed by the weed's leaves. It moves through the weed to the root, stopping the function of an essential enzyme found in plants (but not humans or animals). Weeds die, roots and all - so weeds don't grow back. Kills only what you spray. Any product not absorbed by the plant will be deactivated after it hits the soil. (Weeds usually yellow and wilt within hours with complete kill in 1 to 2 weeks.)

[ALTERNATE TEXT] GLYPHOSATE + DIQUAT enters plants through foliage and moves systemically to the roots, killing weeds by stopping the function of a substance found in plants (but not humans or animals). Any GLYPHOSATE + DIQUAT not absorbed by plants will be deactivated after it hits the soil. Weeds usually yellow and wilt within hours with complete kill in 1 to 2 weeks.

HOW TO SPRAY

- Spray the weeds or grasses you want to kill until thoroughly wet.
- When spot treating weeds around desirable plants, shield plants from drift with a sheet (piece) of cardboard or plastic.
- If desirable plants are accidentally sprayed, rinse off immediately with water (or cut off treated area).

IMPORTANT: Do not spray plants or grasses you like - they will die. Not recommended for spot weed control in lawns since GLYPHOSATE + DIQUAT kills lawn grasses.

WHEN TO APPLY

Apply when weeds are actively growing. (Use anytime weeds and grasses are actively growing.)

For best (fastest visual) results, apply during warm, sunny weather (above 60° F) (to accelerate systemic movement from foliage to roots.)

Apply when air is calm to prevent drift to desirable plants.

RAINPROOF Protection: Rain or watering 30 minutes after application will NOT wash away effectiveness.

[OPTIONAL TEXT] Apply when weeds are small and before seeds form. Established (Hard to kill) weeds may require a repeat application.

APPLICATION RESTRICTIONS:

- Do not apply this product in a way that will contact any person or pet, either directly or through drift. Only the person applying this product may be in the area during application.
- Do not (mix, store or) apply with (in) a galvanized or unlined steel (except stainless steel) sprayer, or apply through any irrigation system.
- DO NOT USE for spot weed treatment after planting (any) fruits or vegetables.

WHEN TO REPLANT

All ornamental flowers, trees and shrubs may be planted 1 day after application.

Lawn grasses, herbs, vegetables (all), and fruits may be planted 3 days after application.

ADDITIONAL USES

To Kill Vines

- If vines are growing up poles, fences, or tree trunks with mature bark, cut vines to a height of 3 to 4 feet and spray vines thoroughly.
- If vines are climbing shrubs or tree trunks with green bark, cut vines at base and treat as directed for stumps or spray regrowth. If spraying regrowth, shield shrubs and tree trunks from spray drift with a sheet (piece) of cardboard or plastic.

To Kill Stumps

- Cut living stump close to ground.
- Drive (drill) 4 to 5 holes into freshly cut stump.
- Immediately pour undiluted product into holes.

IMPORTANT: Some trees may share the same root system. Adjacent trees having a similar age, height and spacing may signal a shared roots system. Injury may occur to non-treated trees when one or more trees sharing common roots are treated.

To Kill Kudzu

- For best results, apply in mid to late summer when vines are mature and actively growing.

To Kill Wild Blackberry

- Spray anytime plants are actively growing.
- Dead canes should be cut down and removed.
- Reapplication is often required to kill deep roots.

To Kill Poison Ivy & Poison Oak

- Contact with these plants anytime of the year can cause an allergic reaction.
- Spray anytime plants are actively growing, but at least 4 weeks before the first killing frost in the fall. Reapply, if new growth appears.
- Handle dead plants with rubber gloves.
- Dispose of plants and rubber gloves in tightly sealed garbage bags.

For Lawn Replacement

Use GLYPHOSATE + DIQUAT to kill a (an old) (an unwanted) lawn and (its) weeds before planting a new lawn (OR prior to laying a patio, sidewalk, or driveway).

[ALTERNATE TEXT]

For lawn replacement use [insert brand name] to kill lawn and weeds before planting new lawn.

- Skip one mowing before spraying.
- Use 6 fl oz (12 Tbs) per gallon of water for each 300 sq. ft. Apply evenly over treatment area.
- If soil is dry, water before application and 2 to 3 days after application.
- If green patches remain after 7 days, reapply.
- Wait (at least) 3 days after last application to rake, till or replant with seed or sod.
- *[Alternate text] Wait (at least) 3 days for weeds and lawn to die. Repeat if necessary. Rake or till to prepare area for planting seed or sod.*

For (Flowerbed and) Garden (Plot) Preparation

- Use GLYPHOSATE + DIQUAT to kill weeds, grasses and (brush) before planting flowers, fruits, vegetables, trees or shrubs.
- If soil is dry, water before application and 2 to 3 days after application.
- Use 6 fl oz (12 Tbs) per gallon of water for each 300 sq. ft. Apply evenly over treatment area.
- Wait 1 to 3 days after last application before planting garden. (See When to Replant section for details)

[Optional Weed List] KILLS ALL TYPES OF WEEDS & GRASSES

Weeds (including): Artichoke thistle, beggarweed, black medic, blue mustard, blue toadflax, brassbuttons, broadleaf plantain, burclover, buttercup, Canada thistle, cattail, chickweed, cocklebur, common groundsel, common mullein, common plantain, common ragweed, creeping beggarweed, creeping-charlie, curly dock, dandelion, dog fennel, evening primrose, false dandelion, fiddleneck, field bindweed (wild morningglory), field pennycress, filaree, Florida pusley, garden spurge, henbit, horsenettle, horseradish, horseweed/marestail, iceplant, knapweed, knotweed, lambsquarters, lantana, little bittercress, London rocket, mallow, mayweed, milkweed, mouseear chickweed, narrowleaf (buckhorn) plantain, nightshade (silverleaf), oldenlandia, oxalis, Pennsylvania smartweed, pennywort, poison hemlock, prickly lettuce, primrose, prostrate spurge, puncturevine, ragweed, red clover, redroot pigweed, shepherdspurge, smooth catsear,

smooth pigweed, sowthistle, spotted spurge, tansy ragwort, tansymustard, teaweed, trumpet creeper, tumble mustard, Virginia creeper, white clover, whitetop, wild barley, wild mustard, wild oats, wild sweet potato, yellow starthistle, and other broadleaf weeds.

Grasses (including): Annual bluegrass, annual ryegrass, bahiagrass, barnyardgrass, bentgrass, Bermudagrass, brome grass, Cogongrass, crabgrass, creeping bentgrass, dallisgrass, fall panicum, fescue, field sandbur, foxtail, goosegrass, guineagrass, Johnsongrass, Kentucky bluegrass, kikuyugrass, lovegrass, maidencane, nimblewill, nutsedge, orchardgrass, pampas grass, perennial ryegrass, purple nutsedge, quackgrass, sandspur, smooth brome grass, sprangletop, St. Augustinegrass, tall fescue, Texas panicum, Timothy, torpedograss, vaseygrass, witchgrass, yellow nutgrass, zoysia and other grassy weeds.

Brush (Tough Weeds), Unwanted Trees, Shrubs & Vines (including): Alder, ash, (quacking) aspen, blackberry, bluegum eucalyptus, broom (French, Scotch), buckwheat, ceanothus, chamise, cherry, coyote brush, dewberry, elderberry, elm, eucalyptus, giant reed, hawthorn, hazel, honeysuckle, kudzu, locust, madrone, maple, oak, persimmon, poison oak, poison ivy, poplar, raspberry, sage, sagebrush, salmonberry, saltcedar, sassafras, sumac, sweetgum, tan oak, thimbleberry, tree tobacco, wild rose (multiflora) willow and other tough weeds.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container only in a safe place away from direct sunlight.

PESTICIDE DISPOSAL: Waste resulting from use of this product may be disposed of on site or at an approved waste facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

NOTICE - To the extent consistent with applicable law, Buyer assumes all responsibility for safety and use not in accordance with directions.

APPENDIX 1 - [Ordered alphabetically] OPTIONAL MARKETING STATEMENTS

- *Absorbed into both broadleaf and grassy weeds*
- *Absorbs on contact, starts working immediately*
- *Also use for large jobs such as lawn renovation and vegetable and flower garden preparation*
- *Apply with tank sprayer, or a (hand held) trigger sprayer*
- *Approved for most (many) lawn and garden uses*
- *Before [weed graphics] / After [weed graphics]*
- *Begins absorbing on contact*
- *Can be used for habitat restoration, controlling exotic vegetation, and for site preparation of wildlife food plots*
- *Can reseed or sod lawns 7 days after treatment*
- *Can be used (almost) anywhere weeds and grasses grow, including patios, walkways, and driveways; along fences; in landscaping beds; or around flowers, shrubs and trees*
- *Concentrated for extra value*
- *Concentrated formula*
- *Deactivates in soil*
- *Does not have soil activity*
- *Economical*
- *Economical concentrate formula*
- *Easy to apply with an Ortho Dial 'n Spray®, hose-end, tank or (hand held) trigger sprayer*
- *Eliminates roots and weeds*
- *Fast Acting*
- *Fast-acting formula*
- *Fast-acting formula absorbs to root more quickly*
- *Fast-acting for visible results in 12 hours*
- *For control that doesn't (won't) wash away*
- *For general weed control - kills weeds and grasses in 1 to 2 weeks - roots and all*
- *For Outdoor Use around the Home*
- *For use (with) (in) (sprayer delivery name)*
- *For Use on Borders, Around Patios, Driveways (other areas in your yard) and Sidewalks*
- *Glyphosate targets an enzyme found in plants but not in people or pets Ideal for killing unwanted weeds and grasses throughout your yard.*
- *Kills over 200 types of weeds and grasses, roots and all*
- *Kills almost all (annual and perennial) weeds, grasses and other unwanted plants*
- *Kills existing weeds only, no residual activity in soil*
- *Kills more weeds in more places.*
- *Kills (to) the root(s)!*
- *Kills (the toughest weeds and grasses) the root so weeds (they) don't come back*
- *Kills the roots of (both) broadleaf and grassy weeds o Kills the roots so treated weeds don't come back*
- *Kills the weed you see and the root you don't*
- *Kills the weed you see and the root others leave behind*
- *Kills unwanted weeds and grasses, roots and all*
- *Kills weeds and grasses in - Patios - Driveways - Sidewalks - Ornamental Gardens and other non-lawn areas*
- *Kills weeds in flowerbeds, around trees, shrubs and fences, and on patios, paths, sidewalks, sidewalk cracks, walkways, driveways, and other areas in your yard*
- *Kills weeds, roots and all*
- *Kills (all types of) weeds and grasses and brush*
- *Kills tough weeds*
- *Kills Weeds & (and) Grasses (down to the root)*
- *Kills the root*
- *Kills over (XXX) types of weeds*
- *Lawns and gardens can be reseeded or planted soon after treatment*

- *Make only what you need*
- *Mix into tank sprayer*
- *Multipurpose grass and broadleaf weed control*
- *Next day (this weekend) results: Begins killing on contact, visible results in 12 hours.*
- *No odor*
- *No root. No weed. No problem*
- *Non-Selective: Kills weeds & grasses*
- *Once it enters the plant, it won't wash off*
- *One application kills over 200 types of weeds and grasses, roots and all (maximum effectiveness)*
- *Ornamental gardens can be reseeded or planted 1 day after treatment*
- *(People) (Children) and pets may enter areas after spray has dried*
- *Proven (trusted) performance*
- *Provides maximum control: Kills weeds to the root so they don't ever come back*
- *Quick-action formula lets you see results fast*
- *RainFast in hours - enters the plant on contact*
- *Replant (lawn grasses, herbs, vegetables (all), and fruits) 3 days after application*
- *Same effective results even if it rains within hours*
- *Single application controls (kills) most weeds*
- *Spray weeds until thoroughly wet*
- *Starts to work immediately*
- *This GLYPHOSATE + DIQUAT formula targets an enzyme found in plants, but not in people or pets*
- *(Use) For Brush Control*
- *(Use) For General Weed Control: Use along fences, paths, patios, sidewalks and driveways, around trees, shrubs, ornamental plantings, flowerbeds, and buildings, and in brick and gravel walkways.*
- *Use for large jobs like garden plot preparation and lawn replacement (renovation)*
- *(Use) For Lawn Renovation*
- *Use to trim and edge landscape areas.*
- *(Use) For Spot Spraying: Use in and around flowerbeds, ornamental trees, shrubs, fences, driveways and walkways*
- *(Use) For Stumps*
- *Use to prepare sites: for large plantings, for planting flowerbeds, fruit trees, ornamentals, vegetables and gardens, and for renovating lawns*
- *Use as a spot treatment along sidewalks, fences, driveways, (other areas in your yard) and patios*
- *Use along fences; in cracks of walks, drives and patios; and around flower beds, trees and shrubs*
- *Visible effects are gradual wilting and yellowing advancing to complete browning and root destruction.*
- *(Provides) Visible (see) results in [24 hours] (days)*
- *Visible Results in Hours*
- *Water based formula*
- *Weed Eliminator*
- *Weed Killer*

Fed-X

December 9, 2013

Document Processing Desk (APPLY)
Mr. Kable Davis (PM 25)
Registration Division
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard (South Bldg)
2777 South Crystal Dr.
Arlington, VA 22202

RE: GLYPHOSATE + DIQUAT
EPA Reg. No. 42750-init. appl.

Dear Mr. Davis,

The enclosed submission is Albaugh's initial application to register the above referenced product. The proposed product is a "me too" of Monsanto's Roundup Weed & Grass Killer Concentrate Plus (EPA Reg. No. 71995-29) as approved by the Agency on 5/18/13.

Albaugh believes this application qualifies as a PRIA R300 action with a 4 month review time and \$1,506 fee. A check for that amount has been sent to the Agency's lockbox concurrently with this submission.

Documents in support of this application are detailed on the enclosed transmittal page.

Please call if you have any questions.

Regards,



Morris Gaskins
Registrations Manager
Albaugh, Inc.

Agri Star®
By Albaugh, Inc.

PREMIER SUPPLIER OF OFF-PATENT CROP PROTECTION PRODUCTS
www.albaughinc.com



United States
Environmental Protection Agency
Washington, DC 20460

☒
☐
☐

Registration
Amendment
Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 42750-appl	2. EPA Product Manager B. Davis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) GLYPHOSATE + DIQUAT	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Albaugh, Inc. P.O. Box 2127 Valdosta, GA 31604-2127 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 71995-29 Product Name Roundup Weed & Grass Killer	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input checked="" type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Initial application to register a "me too" of Monsanto's Weed & Grass Killer Concentrate Plus

This application is being submitted under the PRIA III Fee for Service program as a EPA Class # R300 application with a 4 month review time and a fee of \$1,506.

A copy of Albaugh check for that amount that was submitted to the EPA lockbox concurrently with this application is enclosed.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 pint, 1 quart, 1 gallon		5. Location of Label Directions <input checked="" type="checkbox"/> On label attached to container	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Morris Gaskins	Title Registrations Manager	Telephone No. (Include Area Code) 229-244-3288
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registrations Manager	
4. Typed Name Morris Gaskins	5. Date December 9, 2013	

TRANSMITTAL DOCUMENT

Name and address of submitter:

Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604-2127

Company Official: Morris Gaskins

Telephone: (229) 244-3288

Regulatory action for which this package is submitted:

Initial application to register GLYOHOSATE + DIQUAT

Transmittal Date: 12/9/13

List of items submitted:

- Transmittal page
- Cover letter
- 8570-1 application form
- 8570-34 Certification With Respect to Citation of Data form
- 8570-28-7 Formulator's Exemption form
- 8570-35 Data Matrix (internal use copy)
- 8570-35 Data Matrix (public file copy)
- Draft label (5 copies)
- Basic CSF (2 copies)
- PRIA fee check copy & form

- Summary of OPPTS 830.1000 Series Product Properties Test Guidelines (3 copies)

- Series 830-A Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Formulation Process, Discussion of Formation of Impurities, Certified Limits, and Enforcement Analytical Method (OPPTS Guidelines 830.1550, 830.1600, 830.1650, 830.1670, 830.1750 and 830.1750) (3 copies)

- Series 830-B Physical and Chemical Characteristics (OPPTS Guidelines 830.6302, 830.6303, 830.6304, 830.6314, 830.7000, 830.7100 and 830.7300) (3 copies)

United States
Environmental Protection Agency
Washington, DC 20460
Formulator's Exemption Statement
(40 CFR 152.85)

As an authorized representative of the applicant for registration of the product identified above, I certify that:

- Diquat dibromide


- (3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

- (4) The following active ingredients in this product qualify for the formulator's exemption.

Source		
Active Ingredient	Product Name	Registration Number
DIQUAT DIBROMIDE	[REDACTED]	[REDACTED]
Product ingredient source information may be entitled to confidential treatment		
Signature 	Name and Title Morris Gaskins Registrations Manager	Date 12/9/13



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Albaugh, Inc. P.O. Box 2127 Valdosta, GA 31604	EPA Registration Number/File Symbol 42750-init appl
Active Ingredient(s) and/or representative test compound(s) glyphosate and diquat bromide	Date 12/9/13
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) terrestrial non-food use	Product Name GLYPHOSATE + DIQUAT

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

<input type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	<input checked="" type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 12/9/2013	Typed or Printed Name and Title Morris Gaskins Registrations Manager
---------------	-------------------	-------------------------------------------------------------------------

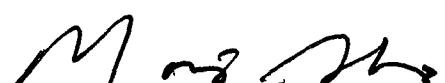
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, DC 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: 12/9/13	EPA Reg. No./File Symbol 42750-init. appl.	Page 1 of 11
Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	


Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7

Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition		Albaugh	OWN	
830.1600	Description of Materials Used to Produce the		Albaugh	OWN	
830.1620	Description of Product Process				Waiver ²
830.1650	Description of Formulation Process		Albaugh	OWN	
830.1670	Description of Formation of Impurities		Albaugh	OWN	
830.1700	Preliminary Analysis		Albaugh	OWN	
830.1750	Certified Limits		Albaugh	OWN	
830.1800	Enforcement Analytical Method		Albaugh	OWN	
830.6302	Color		Albaugh	OWN	
830.6303	Physical State		Albaugh	OWN	
830.6304	Odor		Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions				Not req'd ¹
830.6314	Oxidation/Reduction: Chemical Incompatibility		Albaugh	OWN	
830.6315	Flammability		Albaugh	OWN	
830.6316	Explosibility				Waiver ³
830.6317	Storage Stability				In progress ⁶
Signature 			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

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Date: 12/9/13		EPA Reg. No./File Symbol 42750-init. appl.		Page 2 of 11	
Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021		Product: GLYPHOSATE + DIQUAT			
Ingredient: Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6319	Miscibility				Waiver ⁴
830.6320	Corrosion Characteristics				In progress ⁶
830.6321	Dielectric Breakdown Voltage				Waiver ⁵
830.7000	pH		Albaugh	OWN	
830.7050	UV/Visible Absorption				Not req'd ¹
830.7100	Viscosity		Albaugh	OWN	
830.7200	Melting Point/Melting Range				Not req'd ¹
830.7220	Boiling Point/Boiling Range				Not req'd ¹
830.7300	Density/Relative Density/Bulk Density		Albaugh	OWN	
830.7370	Dissociation Constants in Water				Not req'd ¹
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Not req'd ¹
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Not req'd ¹
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				Not req'd ¹
Signature 			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

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DATA MATRIX

Date: 12/9/13	EPA Reg. No./File Symbol 42750-init. appl.	Page 3 of 11
Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	

Ingredient: **Ingredient:** Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7840	Water Solubility: Column Elution Method; Shake Flask Method				Not req'd ¹
830.7860	Water Solubility, Generator Column Method				Not req'd ¹
830.7950	Vapor Pressure				Not req'd ¹
870.1100	Acute Oral Toxicity – Rat	CITE ALL		PAY	
870.1200	Acute Dermal Toxicity - Rat	CITE ALL		PAY	
870.1300	Acute Inhalation Toxicity - Rat	CITE ALL		PAY	
870.2400	Primary Eye Irritation - Rabbit	CITE ALL		PAY	
870.2500	Primary Dermal Irritation	CITE ALL		PAY	
870.2600	Dermal Sensitization	CITE ALL		PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
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Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021			Product: GLYPHOSATE + DIQUAT		
Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7					
Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Glyphosate generic data requirements					
Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for glyphosate IPA					
Glyphosate Generic Data	Cite-All		Bonide Products (4)	PAY	
Glyphosate Generic Data	Cite-All		Syngenta (100)	PAY	
Glyphosate Generic Data	Cite-All		Nufarm Americas (228)	PAY	
Glyphosate Generic Data	Cite-All		Scotts (239)	PAY	
Glyphosate Generic Data	Cite-All		BASF Corp (241)	PAY	
Glyphosate Generic Data	Cite-All		Bayer Cropscience (264)	PAY	
Glyphosate Generic Data	Cite-All		FMC Corp (279)	PAY	
Glyphosate Generic Data	Cite-All		Du Pont (352)	PAY	
Glyphosate Generic Data	Cite-All		Monsanto (524)	PAY	
Glyphosate Generic Data	Cite-All		Rohm & Hass (707)	PAY	
Glyphosate Generic Data	Cite-All		Green Light Co. (869)	PAY	
Glyphosate Generic Data	Cite-All		Winfield Solutions (1381)	PAY	
Glyphosate Generic Data	Cite-All		PBI/Gordon Corp (2217)	PAY	
Glyphosate Generic Data	Cite-All		Ac-to Agricultural Chemicals (2749)	PAY	
Glyphosate Generic Data	Cite-All		Cheminova (4787)	PAY	
Signature 			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13


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Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	
Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Glyphosate Generic Data	Cite-All		Helena (5905)	PAY	
Glyphosate Generic Data	Cite-All		Voluntary Purchasing Group (7401)	PAY	
Glyphosate Generic Data	Cite-All		BASF (7969)	PAY	
Glyphosate Generic Data	Cite-All		Ritter Chemical (9468)	PAY	
Glyphosate Generic Data	Cite-All		Chemsico (9688)	PAY	
Glyphosate Generic Data	Cite-All		Agan Chemical (11603)	PAY	
Glyphosate Generic Data	Cite-All		Drexel Chemical (19713)	PAY	
Glyphosate Generic Data	Cite-All		Industria Prodotti Chimici (33660)	PAY	
Glyphosate Generic Data	Cite-All		Loveland Products (34704)	PAY	
Glyphosate Generic Data	Cite-All		Hi-Yield Chemical (34911)	PAY	
Glyphosate Generic Data	Cite-All		Nufarm Limited (35935)	PAY	
Glyphosate Generic Data	Cite-All		BASF Sparks (51036)	PAY	
Glyphosate Generic Data	Cite-All		Control Solutions (53883)	PAY	
Glyphosate Generic Data	Cite-All		Cedar Chemical (56077)	PAY	
Glyphosate Generic Data	Cite-All		Valent USA (59639)	PAY	
Glyphosate Generic Data	Cite-All		Dow Agrosiences (62719)	PAY	
Glyphosate Generic Data	Cite-All		Gilmore Marketing (65656)	PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
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Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	
Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Glyphosate Generic Data	Cite-All		Makhteshim (66222)	PAY	
Glyphosate Generic Data	Cite-All		Spray Drift TF (66607)	PAY	
Glyphosate Generic Data	Cite-All		Cheminova (67760)	PAY	
Glyphosate Generic Data	Cite-All		United Phosphorus (70506)	PAY	
Glyphosate Generic Data	Cite-All		Chemical Properties Tech. (70829)	PAY	
Glyphosate Generic Data	Cite-All		Nufarm (71368)	PAY	
Glyphosate Generic Data	Cite-All		Nichino (71711)	PAY	
Glyphosate Generic Data	Cite-All		Outdoor Residential TF (71754)	PAY	
Glyphosate Generic Data	Cite-All		Ag Re-Entry TF (71755)	PAY	
Glyphosate Generic Data	Cite-All		Monsanto (71995)	PAY	
Glyphosate Generic Data	Cite-All		Bayer (72155)	PAY	
Glyphosate Generic Data	Cite-All		Nations Ag II (72167)	PAY	
Glyphosate Generic Data	Cite-All		UCPA (72693)	PAY	
Glyphosate Generic Data	Cite-All		Endangered Species TF (73989)	PAY	
Glyphosate Generic Data	Cite-All		Helm Agro (74530)	PAY	
Glyphosate Generic Data	Cite-All		REJV (74888)	PAY	
Glyphosate Generic Data	Cite-All			PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
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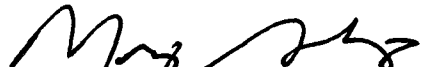
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Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	
Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Glyphosate Generic Data	Cite-All		Ag Handlers Exposure TF (75234)	PAY	
Glyphosate Generic Data	Cite-All		Falcon Lab (79766)	PAY	
Glyphosate Generic Data	Cite-All		Mey Corp (80967)	PAY	
Glyphosate Generic Data	Cite-All		Libertas Now (81142)	PAY	
Glyphosate Generic Data	Cite-All		Alligare (81927)	PAY	
Glyphosate Generic Data	Cite-All		Phoenix Environmental (81943)	PAY	
Glyphosate Generic Data	Cite-All		Deangelo Brothers (82308)	PAY	
Glyphosate Generic Data	Cite-All		Agri Packaging (82498)	PAY	
Glyphosate Generic Data	Cite-All		Sharda Worldwide (82633)	PAY	
Glyphosate Generic Data	Cite-All		PRA Registrations (83173)	PAY	
Glyphosate Generic Data	Cite-All		Tacoma (83520)	PAY	
Glyphosate Generic Data	Cite-All		Sharda USA (83529)	PAY	
Glyphosate Generic Data	Cite-All		Agsaver, LLC (83772)	PAY	
Glyphosate Generic Data	Cite-All		Adjuvants Unlimited (84130)	PAY	
Glyphosate Generic Data	Cite-All		Tide (84229)	PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
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Date: 12/9/13	EPA Reg. No./File Symbol 42750-init. appl.	Page 8 of 11
Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	
Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Glyphosate Generic Data	Cite-All		GESTF (84653)	PAY	
Glyphosate Generic Data	Cite-All		Red Eagle Intl (85678)	PAY	
Glyphosate Generic Data	Cite-All		Agsaver II, LLC (85806)	PAY	
Glyphosate Generic Data	Cite-All		Glysortia (85998)	PAY	
Glyphosate Generic Data	Cite-All		Repar-Glypho (86004)	PAY	
Glyphosate Generic Data	Cite-All		Texcan Investments (86068)	PAY	
Glyphosate Generic Data	Cite-All		Farmway, Inc. (86277)	PAY	
Glyphosate Generic Data	Cite-All		Solar Apex Int'l (86501)	PAY	
Glyphosate Generic Data	Cite-All		Agrilon Int'l (86530)	PAY	
Glyphosate Generic Data	Cite-All		USA Chemical LLC (86702)	PAY	
Glyphosate Generic Data	Cite-All		Newagco, Inc. (86794)	PAY	
Glyphosate Generic Data	Cite-All		Consus Chemicals (86828)	PAY	
Glyphosate Generic Data	Cite-All		Faming Technologies (86834)	PAY	
Glyphosate Generic Data	Cite-All		Lnouvel, Inc. (87093)	PAY	
Glyphosate Generic Data	Cite-All		Cinmax (87659)	PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
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Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	

Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for glyphosate IPA					
Diquat Generic Data	Cite-All		Syngenta (100)	PAY	
Diquat Generic Data	Cite-All		Nufarm Americas (228)	PAY	
Diquat Generic Data	Cite-All		Scotts Company (239)	PAY	
Diquat Generic Data	Cite-All		Monsanto (524)	PAY	
Diquat Generic Data	Cite-All		Aceto (2749)	PAY	
Diquat Generic Data	Cite-All		ABC Compounding (3862)	PAY	
Diquat Generic Data	Cite-All		Great Lakes Chemical (5785)	PAY	
Diquat Generic Data	Cite-All		Chemsico (9688)	PAY	
Diquat Generic Data	Cite-All		Syngenta Crop Protection (10182)	PAY	
Diquat Generic Data	Cite-All		Nufarm LTD (35935)	PAY	
Diquat Generic Data	Cite-All		Valent USA (59639)	PAY	
Diquat Generic Data	Cite-All		Spray Drift Task Force (66607)	PAY	
Diquat Generic Data	Cite-All		United Phosphorus (70506)	PAY	
Diquat Generic Data	Cite-All		Outdoor Residential Exp TF (71754)	PAY	
Diquat Generic Data	Cite-All		Agricultural Reentry TF (71755)	PAY	
Diquat Generic Data	Cite-All		Monsanto (71995)	PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
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Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for glyphosate IPA					
Diquat Generic Data	Cite-All		Bayer Advanced (72155)	PAY	
Diquat Generic Data	Cite-All		Fifra Endangered Species TF (73989)	PAY	
Diquat Generic Data	Cite-All		Residential Exposure Joint (74888)	PAY	
Diquat Generic Data	Cite-All		AHETF (75234)	PAY	
Diquat Generic Data	Cite-All		Gro-Pro LLC (79676)	PAY	
Diquat Generic Data	Cite-All		Etigra (81959)	PAY	
Diquat Generic Data	Cite-All		Source Dynamics (82542)	PAY	
Diquat Generic Data	Cite-All		Sharda Worldwide (82633)	PAY	
Diquat Generic Data	Cite-All		Sharda USA (83529)	PAY	
Diquat Generic Data	Cite-All		Rotam NA (83979)	PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
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Footnotes for GLYPHOSATE + DIQUAT Data Matrix
(page 11 of 11)

Footnote 1

- 830.6313 Stability to Normal and Elevated Temperature, Metals, and Metal Ions
- 830.7050 UV/Visible absorption
- 830.7200 Melting Point/Range
- 830.7220 Boiling Point/Range
- 830.7370 Dissociation Constants in Water
- 830.7550 Partition coefficient
- 830.7560 Partition coefficient
- 830.7570 Partition coefficient
- 830.7840 Water solubility
- 830.7860 Water solubility
- 830.7950 Vapor Pressure

This data is not required for end use products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2

Footnote 2

830.1620 Production Process. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT is formulated, not produced. See Guideline 830.1650.

Footnote 3

- 830.6316 Explodibility. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT product is not composed of explosive components and therefore does not exhibit explosive characteristics.

Footnote 4

- 830.6319 Miscibility. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT is not intended to be diluted with oil or other non-polar solvents.

Footnote 5

- 830.6321 Dielectric breakdown voltage. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT is not labeled or intended for use around electrical equipment.

Footnote 6


- 830.6317 Storage Stability
- 830.6320 Corrosion Characteristics

These studies are currently in progress. Albaugh requests a conditional registration pending completion of the final report

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Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7					
Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
			Albaugh	OWN	
			Albaugh	OWN	
					Waiver ²
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
			Albaugh	OWN	
					Not req'd ¹
			Albaugh	OWN	
			Albaugh	OWN	
					Waiver ³
					In progress ⁶
Signature 			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

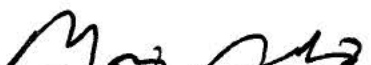
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Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	

Ingredient: **Ingredient:** Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					Waiver ⁴
					In progress ⁶
					Waiver ⁵
			Albaugh	OWN	
					Not req'd ¹
			Albaugh	OWN	
					Not req'd ¹
					Not req'd ¹
			Albaugh	OWN	
					Not req'd ¹
					Not req'd ¹
					Not req'd ¹
					Not req'd ¹
					Not req'd ¹
Signature 			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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WASHINGTON, DC 20460

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DATA MATRIX

Date: 12/9/13	EPA Reg. No./File Symbol 42750-init. appl.	Page 3 of 11
Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	

Ingredient: **Ingredient:** Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7


Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					Not req'd ¹
					Not req'd ¹
					Not req'd ¹
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
Signature			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

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Date: 12/9/13		EPA Reg. No./File Symbol 42750-init. appl.		Page 4 of 11	
Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021		Product: GLYPHOSATE + DIQUAT			
Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7					
Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Glyphosate generic data requirements					
Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for glyphosate IPA					
			Bonide Products (4)	PAY	
			Syngenta (100)	PAY	
			Nufarm Americas (228)	PAY	
			Scotts (239)	PAY	
			BASF Corp (241)	PAY	
			Bayer Cropscience (264)	PAY	
			FMC Corp (279)	PAY	
			Du Pont (352)	PAY	
			Monsanto (524)	PAY	
			Rohm & Hass (707)	PAY	
			Green Light Co. (869)	PAY	
			Winfield Solutions (1381)	PAY	
			PBI/Gordon Corp (2217)	PAY	
			Aceto Agricultural Chemicals (2749)	PAY	
			Cheminova (4787)	PAY	
Signature 			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

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Date: 12/9/13	EPA Reg. No./File Symbol 42750-init. appl.	Page 5 of 11
Applicant's/Registrant's Name & Address: Albaugh Inc. 1525 NE 36th St. Ankeny, IA 50021	Product: GLYPHOSATE + DIQUAT	
Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
			Helena (5905)	PAY	
			Voluntary Purchasing Group (7401)	PAY	
			BASF (7969)	PAY	
			Ritter Chemical (9468)	PAY	
			Chemsico (9688)	PAY	
			Agan Chemical (11603)	PAY	
			Drexel Chemical (19713)	PAY	
			Industria Prodotti Chimici (33660)	PAY	
			Loveland Products (34704)	PAY	
			Hi-Yield Chemical (34911)	PAY	
			Nufarm Limited (35935)	PAY	
			BASF Sparks (51036)	PAY	
			Control Solutions (53883)	PAY	
			Cedar Chemical (56077)	PAY	
			Valent USA (59639)	PAY	
			Dow Agrosiences (62719)	PAY	
			Gilmore Marketing (65656)	PAY	

Signature



Name and Title: Morris Gaskins
Registrations Manager

Date:
12/9/13


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Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
			Makhteshim (66222)	PAY	
			Spray Drift TF (66607)	PAY	
			Cheminova (67760)	PAY	
			United Phosphorus (70506)	PAY	
			Chemical Properties Tech. (70829)	PAY	
			Nufarm (71368)	PAY	
			Nichino (71711)	PAY	
			Outdoor Residential TF (71754)	PAY	
			Ag Re-Entry TF (71755)	PAY	
			Monsanto (71995)	PAY	
			Bayer (72155)	PAY	
			Nations Ag II (72167)	PAY	
			UCPA (72693)	PAY	
			Endangered Species TF (73989)	PAY	
			Helm Agro (74530)	PAY	
			REJV (74888)	PAY	
				PAY	
Signature 			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

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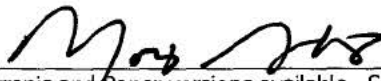
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Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
			Ag Handlers Exposure TF (75234)	PAY	
			Falcon Lab (79766)	PAY	
			Mey Corp (80967)	PAY	
			Libertas Now (81142)	PAY	
			Alligare (81927)	PAY	
			Phoenix Environmental (81943)	PAY	
			Deangelo Brothers (82308)	PAY	
			Agri Packaging (82498)	PAY	
			Sharda Worldwide (82633)	PAY	
			PRA Registrations (83173)	PAY	
			Tacoma (83520)	PAY	
			Sharda USA (83529)	PAY	
			Agsaver, LLC (83772)	PAY	
			Adjuvants Unlimited (84130)	PAY	
			Tide (84229)	PAY	

Signature



Name and Title: Morris Gaskins
Registrations Manager


Date:
12/9/13

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Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		


Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
			GESTF (84653)	PAY	
			Red Eagle Intl (85678)	PAY	
			Agsaver II, LLC (85806)	PAY	
			Glysortia (85998)	PAY	
			Repar-Glypho (86004)	PAY	
			Texcan Investments (86068)	PAY	
			Farmway, Inc. (86277)	PAY	
			Solar Apex Int'l (86501)	PAY	
			Agrilon Int'l (86530)	PAY	
			USA Chemical LLC (86702)	PAY	
			Newagco, Inc. (86794)	PAY	
			Consus Chemicals (86828)	PAY	
			Faming Technologies (86834)	PAY	
			Lnouvel, Inc. (87093)	PAY	
			Cinmax (87659)	PAY	
Signature			Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13

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Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7					
Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for glyphosate IPA					
			Syngenta (100)	PAY	
			Nufarm Americas (228)	PAY	
			Scotts Company (239)	PAY	
			Monsanto (524)	PAY	
			Aceto (2749)	PAY	
			ABC Compounding (3862)	PAY	
			Great Lakes Chemical (5785)	PAY	
			Chemsico (9688)	PAY	
			Syngenta Crop Protection (10182)	PAY	
			Nufarm LTD (35935)	PAY	
			Valent USA (59639)	PAY	
			Spray Drift Task Force (66607)	PAY	
			United Phosphorus (70506)	PAY	
			Outdoor Residential Exp TF (71754)	PAY	
			Agricultural Reentry TF (71755)	PAY	
	Monsanto (71995)	PAY			
Signature 		Name and Title: Morris Gaskins Registrations Manager		Date: 12/9/13	

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DATA MATRIX

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Ingredient: Glyphosate isopropylamine salt CAS # 38641-94-0 and Diquat Dibromide CAS # 85-00-7		

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for glyphosate IPA					

	Bayer Advanced (72155)	PAY	
	Fifra Endangered Species TF (73989)	PAY	
	Residential Exposure Joint (74888)	PAY	
	AHETF (75234)	PAY	
	Gro-Pro LLC (79676)	PAY	
	Etigra (81959)	PAY	
	Source Dynamics (82542)	PAY	
	Sharda Worldwide (82633)	PAY	
	Sharda USA (83529)	PAY	
	Rotam NA (83979)	PAY	

Signature 	Name and Title: Morris Gaskins Registrations Manager	Date: 12/9/13
---------------------------------------------------------------------------------------------------------	----------------------------------------------------------------	-------------------------

Footnotes for GLYPHOSATE + DIQUAT Data Matrix
(page 11 of 11)

Footnote 1

- 830.6313 Stability to Normal and Elevated Temperature, Metals, and Metal Ions
- 830.7050 UV/Visible absorption
- 830.7200 Melting Point/Range
- 830.7220 Boiling Point/Range
- 830.7370 Dissociation Constants in Water
- 830.7550 Partition coefficient
- 830.7560 Partition coefficient
- 830.7570 Partition coefficient
- 830.7840 Water solubility
- 830.7860 Water solubility
- 830.7950 Vapor Pressure

This data is not required for end use products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2

Footnote 2

830.1620 Production Process. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT is formulated, not produced. See Guideline 830.1650.

Footnote 3

- 830.6316 Explodibility. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT product is not composed of explosive components and therefore does not exhibit explosive characteristics.

Footnote 4

- 830.6319 Miscibility. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT is not intended to be diluted with oil or other non-polar solvents.

Footnote 5

- 830.6321 Dielectric breakdown voltage. Albaugh requests a waiver for this data requirement. GLYPHOSATE + DIQUAT is not labeled or intended for use around electrical equipment.

Footnote 6

- 830.6317 Storage Stability
- 830.6320 Corrosion Characteristics

These studies are currently in progress. Albaugh requests a conditional registration pending completion of the final report

21-Day Screen Completed by
Contractor

21-Day Expires on 1-1-14

Jacket # 42750-EAO

MRID# 492731

Content Screen: Recommend to Pass/Fail

11-3 Review: Pass/Fail/NA

Overall Status: Recommend to Pass/Fail

Transfer This Jacket to:

STEPHEN YETTABE

PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 12/11/13

Experts In-Processing Signature: MP

Date 12/16/13

Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date _____

EPA Reg. Number: <u>42750-EAO</u>		EPA Receipt Date: <u>12/11/13</u>			
Items for Review			Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type		<input checked="" type="checkbox"/>		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)		<input checked="" type="checkbox"/>		
	a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A)	yes	no		
	<u>NO inerts to review</u>				
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)		<input checked="" type="checkbox"/>		
	Certificate and data matrix consistent		<input checked="" type="checkbox"/>		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no		
	If applicable, is there a letter of Authorization for exclusive use only.				
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)		<input checked="" type="checkbox"/>		
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)		<input checked="" type="checkbox"/>		
5	a) Selective Method (Fee category experts use)	<input checked="" type="checkbox"/>			
	b) Cite-All (Fee category experts use)				
	c) Applicant owns all data (Fee category experts use)				
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)		<input checked="" type="checkbox"/>		
7	Is the data package consistent with PR Notice 86-5		<input checked="" type="checkbox"/>		
8	Notice of Filing included with petitions				<input checked="" type="checkbox"/>

9	If applicable for conventional applications, <u>reduced risk rationale</u>			X
	<u>Required Data</u> and/or data waivers. See Footnote C.			
10	a) List study (or studies) not included with application			

Comments:

* Submitted studies PASSED PRN 11-3 review

* Technical and water only, no inerts to review

* Jacket PASSED

Em

MRID:492731

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the [inert Web site](#) and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the [Chief of Microbial Pesticides Branch](#).

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

R 300 and 301

100% identical (repack): YES or NO (circle one)

{If **yes**, it's a 100% repack - then product chemistry, acute toxicity and efficacy data are not required}

Data on Group A and B must be submitted - Group A and B can not be cited.

Guideline No.	Group A: Product Chemistry Data Study Title	Data submitted	
		Yes	No
830.1550	Product Identity & Composition	✓	
830.1600	Description of materials used to produce the product	✓	
830.1650	Description of formulation process	✓	
830.1670	Discussion on the formation of impurities	✓	
830.1700	Preliminary analysis	✓	
830.1750	Certified limits (158.345)	✓	
830.1800	Enforcement analytical method	✓	

Guideline No.	Group B: Product Chemistry Data Study Title	Data submitted	
		Yes	No
830.6302	Color	✓	
830.6303	Physical State	✓	
830.6304	Odor	✓	
830.6314	Oxidation/Reduction (Chemical incompatibility)	✓	
830.6315	Flammability	✓	
830.6316	Explodability	✓	
830.6317	Storage stability	✓	
830.6319	Miscibility	✓	
830.6320	Corrosion Characteristics	✓	
830.6321	Dielectric Breakdown voltage	✓	
830.7000	pH	✓	
830.7100	Viscosity	✓	
830.7300	Density	✓	

R 300 and 301

New products must provide a bridging rationale document. The bridging document directs OPP to use a currently registered set of 6 acute toxicity data and label; instead of submitting product specific data.

Guideline No.	Acute toxicity (6 pack) Study Title	Cited	
		Yes	No
870.1100	Acute Oral (LD50)	✓	
870.1200	Acute Dermal (LD50)	✓	
870.1300	Acute Inhalation (LC50)	✓	
870.2400	Acute Eye Irritation	✓	
870.2500	Acute Dermal Irritation	✓	
870.2600	Dermal Sensitization	✓	

Efficacy – which guideline depends on the proposed label use and they must cite the data to be used for the bridging rationale.

Guideline No.	Efficacy Study Titles	Cited		Comments
		Yes	No	
810.3100	Soil Treatments for Imported Fire Ants			N/A
810.3200	Livestock, Poultry, Fur and Wool-Bearing Animal Treatments			N/A
810.3300	Treatments to Control Pests of Humans and Pets			N/A
810.3400	Mosquito, Black Fly, and Biting Midge (Sand Fly) Treatments			N/A
810.3500	Premises Treatments			N/A
810.3600	Structural Treatments			N/A
810.3800	Methods for Efficacy Testing of Termite Baits			N/A



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

December 13, 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-485794
EPA File Symbol or Registration Number: 42750-EAO
Product Name: GLYPHOSATE + DIQUAT
EPA Receipt Date: 11-Dec-2013
EPA Company Number: 42750
Company Name: ALBAUGH INC

ALBAUGH INC
ATTN: MORRIS GASKINS, REGISTRATIONS MANAGER
PO Box 2127
VALDOSTA, GA 31064-2127

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R300

NEW PRODUCT;OR SIMILAR COMBINATION PRODUCT (ALREADY REGISTERED) TO AN IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND USE TO A REGISTERED PRODUCT;REGISTERED SOURCE OF ACTIVE INGREDIENT;NO DATA REVIEW ON ACUTE TOXICITY, EFFICACY OR CRP - ONLY PRODUCT CHEMISTRY DATA;CITE-ALL DATA CITATION, OR SELECTIVE DATA CITATION WHERE APPLICANT OWNS ALL REQUIRED DATA, OR APPLICANT SUBMITS SPECIFIC AUTHORIZATION LETTER FROM DATA OWNER;CATEGORY ALSO INCLUDES 100% RE-PACKAGE OF REGISTERED END-USE OR MANUFACTURING-USE PRODUCT THAT REQUIRES NO DATA SUBMISSION NOR DATA MATRIX;

No additional payment is due at this time. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,

A handwritten signature in black ink, appearing to be "M. Gaskins", is written over the word "Sincerely,".

Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service

{944831&~

This package includes the following

- ☒ New Registration
- ☐ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr. 25

Receipt No.

S-

944831

EPA File Symbol/Reg. No.

42750-EAO

Pin-Punch Date:

12/11/2013

☐ This item is NOT subject to FFS action.

Action Code:

Requested:

R300

Granted:

R300

Amount Due: \$ 1,506. ⁰⁰

Parent/Child Decisions:

☒ Inert Cleared for Intended Use



Uncleared Inert in Product

Reviewer: 

Date: 12-13-13

Remarks:

substantial similarity

Receipt for Section 3



S: 944831

Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3

Fee For Service: ☒ Yes ☐ No

Application Type: New Registration

Billable: ☒ Yes ☐ No

Company: 42750 ALBAUGH INC ☒

Risk Manager: Registration Division, Risk Management Team 25

Print Letter

Enter More Information

Tracking

Product #: 42750-EAO Product Name: GLYPHOSATE + DIQUAT

Override#:

Me Too Section3: 71995-29 Me Too Product Name: ROUNDUP WEED & GRASS KILLER CONCENT

Application Date: 09-Dec-2013 OPP Rec'd Date: 11-Dec-2013

Front End Date: 12-Dec-2013 Risk Manager Send Date:

FFS Due Date: Negotiated Due Date:

OPP Target Date:

Fast Track: ☐ New Ingredient: ☐

Receipt Content	
Study	
CSF	

View/Edit

Receipt Description:

Initial application to register a "me too" of Monsanto's Weed and Grass Killer Concentrate Plus.

New Ingredient Request Date:

New Ingredient Received Date:

Form A: ☐ Signature Date:

Form B: ☐ Signature Date:

Albaugh Inc.
1525 N.E. 36th St.
Ankeny, Iowa 50021



Wells Fargo Bar.

099093

56-382/412

One thousand five hundred six and xx / 100 Dollars

DATE

AMOUNT

11/8/2013

*****1,506.00

PAY TO THE
ORDER OF:

ENVIRONMENTAL PROTECTION AGENCY

USA

[Signature]
AUTHORIZED SIGNATURE

RECEIVED
09/09/2013

099093

Albaugh Inc.

099093

VENDOR NO.: 11545

NAME: ENVIRONMENTAL PROTECTION AGENCY

INVOICE	REFERENCE	INV. DATE	INV. AMOUNT	DISCOUNT	ADJ. AMT.	AMT. PAID
GLY + DIQUAT		10/31/2013	1,506.00	0.00		1,506.00
		PRIA R300 Action for Glyphosate + Diquat Initial application				
TOTALS:			1,506.00	0.00		1,506.00

SUPERIOR PRESS (888) 590-7998 JB2044630

*Commercial/Financial Information May be Entitled to
Confidential Treatment*



U.S. Environmental Protection Agency
Office of Prevention, Pesticides and Toxic Substances

Pesticide Registration Improvement Act Fee Pre-Payment

Please fill in the form completely
Click Submit Data to make your payment

Company Name	<input type="text" value="Albaugh, Inc."/>	Contact Name	<input type="text" value="Morris Gaskins"/>
Company Number	<input type="text" value="42750"/>	Email Address	<input type="text" value="morrisg@albaughinc.com"/>
Registration Number (if known)	<input type="text" value="42750-init. appl."/>	Action Code	<input type="text" value="R300"/>
		<input type="button" value="Help Me Choose"/>	

Payment Amount

- PRIA R300 Action
- Initial application to register
Glyphosate + Diguent 12/9/13

